

(i) Correspondence and Records, Office of the Secretary, NRC-31 (Exemption (k)(1));
 (j) Special Inquiry File, NRC-33 (Exemptions (k)(1), (k)(2), and (k)(5));
 (k) Drug Testing Program Records, NRC-35 (Exemption (k)(5));
 (l) Information Security Files and Associated Records, NRC-37 (Exemptions (k)(1) and (k)(5)); and
 (m) Personnel Security Files and Associated Records, NRC-39 (Exemptions (k)(1), (k)(2), and (k)(5)).

Dated at Rockville, MD., this 1st day of December, 1995.

For the Nuclear Regulatory Commission,
 James M. Taylor,

Executive Director for Operations.

[FR Doc. 95-30173 Filed 12-12-95; 8:45 am]

BILLING CODE 7590-01-P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 25

[Docket No. NM-120; Special Conditions No. 25-ANM-110]

Special Conditions: Jetstream Aircraft Limited Model 4101 Series Airplanes; Automatic Takeoff Thrust Control System

AGENCY: Federal Aviation Administration, DOT.

ACTION: Final special conditions, request for comments.

SUMMARY: These special conditions are issued to Jetstream Aircraft Limited for the Jetstream Model 4101 series airplanes. This airplane will have an unusual design feature for which the applicable airworthiness regulations do not contain appropriate safety standards. The unusual design feature is an Automatic Takeoff Thrust Control System (ATTCS) that resets power on the operating engine for compliance with the approach climb performance requirements in § 25.121(d). These special conditions contain the additional safety standards that the Administrator considers necessary to establish a level of safety equivalent to that established by the existing airworthiness standards.

DATES: The effective date of these special conditions is December 6, 1995. Comments must be received on or before January 29, 1996.

ADDRESSES: Comments on these final special conditions, request for comments, may be mailed in duplicate to: Federal Aviation Administration, Office of the Assistant Chief Counsel,

Attn: Rules Docket (ANM-7), Docket No. NM-120, 1601 Lind Avenue SW., Renton, Washington, 98055-4056; or delivered in duplicate to the Office of the Assistant Chief Counsel at the above address. Comments must be marked "Docket No. NM-120." Comments may be inspected in the Rules Docket weekdays, except Federal holidays, between 7:30 and 4:00 p.m.

FOR FURTHER INFORMATION CONTACT: William Schroeder, FAA, Standardization Branch, ANM-113, Transport Airplane Directorate, Aircraft Certification Service, 1601 Lind Avenue SW., Renton, Washington, 98055-4056, telephone (206) 227-2148.

SUPPLEMENTARY INFORMATION:

Comments Invited

The FAA has determined that good cause exists for making these special conditions effective upon issuance; however, interested persons are invited to submit such written data, views, or arguments as they may desire. Communications should identify the regulatory docket and special conditions number and be submitted in duplicate to the address specified above. All communications received on or before the closing date for comments will be considered by the Administrator. These special conditions may be changed in light of the comments received. All comments submitted will be available in the Rules Docket for examination by interested persons, both before and after the closing date for comments. A report summarizing each substantive public contact with FAA personnel concerning this rulemaking will be filed in the docket. Persons wishing the FAA to acknowledge receipt of their comments submitted in response to this request must submit with those comments a self-addressed, stamped postcard on which the following statement is made: "Comments to Docket No. NM-120." The postcard will be date stamped and returned to the commenter.

Background

On May 24, 1989, British Aerospace Public Limited Company (BAe) (currently Jetstream Aircraft Ltd.) applied for a type certificate for the BAe Model 4100 (currently Jetstream Model 4101) airplane in the transport airplane category. The Jetstream Model 4101 is a transport category airplane powered by two Garrett TPE331-14GR/HR Series turbo-propeller engines mounted on the wing. McCauley Model B/C 5JFR36C1101/2 or 3/4-L114 G/H CA-0 five-blade propellers are installed. The airplane is type certificated with two

flight crewmembers and up to 30 passengers.

The Jetstream Model 4101 will incorporate an unusual design feature, the Automatic Takeoff Thrust Control System (ATTCS), referred to by Jetstream as Automatic Power Reserve or APR, to show compliance with the approach climb requirements of § 25.121(d). Appendix I to part 25 limits the application of performance credit for ATTCS to takeoff only. Since the airworthiness regulations do not contain appropriate safety standards for approach climb performance using ATTCS, special conditions are required to ensure a level of safety equivalent to that established in the regulations.

Type Certification Basis

Under the provisions of § 21.101, Jetstream must show that the Model 4101 series airplanes, as changed, continues to meet the applicable provisions of the regulations incorporated by reference in Type Certificate No. A41NM or the applicable regulations in effect on the date of application for the change. The regulations incorporated by reference in the type certificate are commonly referred to as the "original type certification basis." The regulations incorporated by reference in Type Certificate No. A41NM are as follows:

Based on §§ 21.29 and 21.17 and the type certification application date, the applicable U.S. type certification basis for the Model 4101 was established as follows:

- Part 25 of the FAR dated February 1, 1965, as amended by Amendments 25-1 through 25-66 (all based on BAe application date to CAA), and
- Part 25 of the FAR, Amendments 25-67, 25-68, 25-69, 25-70, 25-71, and
- Part 25 of the FAR, §§ 25.361 and 25.729 and paragraphs 25.571(e)(2), 25.773(b)(2) and 25.905(d), all as amended by Amendment 25-72, and
- Section 25.1419 as amended by Amendments 25-1 through 25-66, and
- Special Conditions (SC) as follows:
- Special Conditions No. 25-ANM-48 issued August 29, 1991, Lightning and High Intensity Radiated Fields (HIRF)
- Special Conditions No. 25-ANM-45 issued July 9, 1991, Cabin Aisle Width, and
- The following exemptions were petitioned for and granted:
- FAA Exemption No. 5587 issued January 13, 1993, Head Impact Criteria (25.562(c)(5)) for the three most forward passenger seats in passenger cabin, and
- Equivalent safety findings as follows:
- 25.349 of the FAR, Rolling Conditions

- 25.729(e)(2) of the FAR, Landing Gear Aural Warning
- 25.811(d)(2) of the FAR, Emergency Exit Marking, Over Wing Exits
- 25.1182 of the FAR, Nacelle areas behind firewalls, and
- Part 34 of the FAR effective September 10, 1990, and
- Part 36 of the FAR effective December 1, 1969, including Amendments 36-1 through 36-18, including Appendices A, B, and C.

If the Administrator finds that the applicable airworthiness regulations (i.e., part 25 as amended) do not contain adequate or appropriate safety standards for Jetstream Model 4101 series airplanes because of a novel or unusual design feature, special conditions are prescribed under the provisions of § 21.16 to establish a level of safety equivalent to that established in the regulations.

Special conditions, as appropriate, are issued in accordance with § 11.49 after public notice, as required by §§ 11.28 and 11.29(b), and become part of the type certification basis in accordance with § 21.101(b)(2).

Novel or Unusual Design Features

The Jetstream 4101 is a twin turbopropeller airplane equipped with electronic engine controls that protect against exceeding the engine temperature and torque limits. It also incorporates an ATTCS system that can automatically add power to the operating engine in the event one engine fails. This system benefits engine life by allowing the normal all-engines-operating power to be set at less than the maximum available power when the airplane operation is limited only by one-engine-inoperative performance considerations. If an engine fails, the ATTCS is armed and the operating engine is above 65% torque, the ATTCS automatically increases the Exhaust Gas Temperature (EGT) limit by 40° C and the torque by 11%, but does not allow the torque to exceed either the 100% torque limit or the higher EGT limit. Therefore, the Jetstream 4101 ATTCS only provides an increase in power at temperatures above the normal flat rate limit temperature.

The part 25 standards for ATTCS, contained in § 25.904 and Appendix I, specifically restrict performance credit for ATTCS to takeoff. Expanding the scope of the standards to include other phases of flight, including go-around, was considered at the time the standards were issued, but flightcrew workload issues precluded further consideration. As stated in the preamble to Amendment 25-62:

In regard to ATTCS credit for approach climb and go-around maneuvers, current regulations preclude a higher thrust for the approach climb (§ 25.121(d)) than for the landing climb (§ 25.119). The workload required for the flightcrew to monitor and select from multiple in-flight thrust settings in the event of an engine failure during a critical point in the approach, landing, or go-around operations is excessive. Therefore, the FAA does not agree that the scope of the amendment should be changed to include the use of ATTCS for anything except the takeoff phase. (52 FR 43153, November 9, 1987)

The ATTCS incorporated on the Jetstream 4101 allows the pilot to use the same power setting procedure during a go-around regardless of whether or not an engine fails. In either case, the pilot obtains go-around power by advancing the power levers until reaching either 100% torque or the EGT limit. If ATTCS is operating (i.e., one engine is inoperative), the EGT limit computed by the electronic engine control and displayed to the pilot is 40° C higher than when all engines are operating. For a go-around in which an engine fails after go-around power has been set, the ATTCS operates exactly as it does during takeoff to automatically boost power.

The definition of a critical time interval for the approach climb case, during which time it must be extremely improbable to violate a flight path based on the § 25.121(d) gradient requirement is of primary importance. The § 25.121(d) gradient requirement implies a minimum one-engine-inoperative flight path capability with the airplane in the approach configuration. The engine may have been inoperative before initiating the go-around, or it may become inoperative during the go-around. The definition of the critical time interval must consider both possibilities.

As discussed above, these special conditions are applicable to the Jetstream Model 4101. Should Jetstream Aircraft Limited apply at a later date for a change to the type certificate to include another model incorporating the same novel or unusual design feature, these special conditions would apply to that model as well under the provisions of § 21.101(a)(1).

Under standard practice, the effective date of final special conditions would be 30 days after the date of publication in the Federal Register, however, as the certification date for the Jetstream Model 4101 is imminent, the FAA finds that good cause exists to make these special conditions effective upon issuance.

Conclusion

This action affects only certain design features on the Jetstream Model 4101 airplane. It is not a rule of general applicability and affects only the manufacturer who applied to the FAA for approval of these features on the airplane.

The substance of these special conditions has been subject to the notice and public comment procedure in a recent instance with no comment. For this reason and because a delay would significantly affect the applicant's installation of the system and certification of the airplane, which is imminent, the FAA has determined that good cause exists for adopting these special conditions without notice. Therefore, special conditions are being issued for this airplane and made effective upon issuance.

List of Subjects in 14 CFR Part 25

Aircraft, Aviation safety, Reporting and recordkeeping requirements.

The authority citation for these special conditions is as follows:

Authority: 49 U.S.C. app. 1344, 1348(c), 1352, 1354(a), 1355, 1421 through 1431, 1502, 1651(b)(2), 42 U.S.C. 1857f-10, 4321 et seq.; E.O. 11514; and 49 U.S.C. 106(g).

The Special Conditions

According, pursuant to the authority delegated to me by the Administrator, the following special conditions are issued as part of the type certification basis for the Jetstream Model 4101 airplane.

(a) *General*: An ATTCS is defined as the entire automatic system, including all devices, both mechanical and electrical, that sense engine failure, transmit signals, actuate fuel controls or power levers, or increase engine power by other means on operating engines to achieve scheduled thrust or power increases and furnish cockpit information on system operation.

(b) *Automatic takeoff thrust control system (ATTCS)*. The engine power control system that automatically resets the power or thrust on the operating engine (following engine failure during the approach for landing) must comply with the following requirements:

(1) *Performance and System Reliability Requirements*. The probability analysis must include consideration of ATTCS failure occurring after the time at which the flightcrew last verifies that the ATTCS is in a condition to operate until the beginning of the critical time interval.

(2) *Thrust Setting*. The initial takeoff thrust set on each engine at the beginning of the takeoff roll or go-around may not be less than:

(i) Ninety (90) percent of the thrust level set by the ATTCS (the maximum takeoff thrust or power approved for the airplane under existing ambient conditions);

(ii) That required to permit normal operation of all safety-related systems and equipment dependent upon engine thrust or power lever position; and

(iii) That shown to be free of hazardous engine response characteristics when thrust is advanced from the initial takeoff thrust or power to the maximum approved takeoff thrust or power.

(3) **Powerplant Controls.** In addition to the requirements of § 25.1141, no single failure or malfunction, or probable combination thereof, of the ATTCS, including associated systems, may cause the failure of any powerplant function necessary for safety. The ATTCS must be designed to:

(i) Apply thrust or power on the operating engine(s), following any one engine failure during takeoff or go-around, to achieve the maximum approved takeoff thrust or power without exceeding engine operating limits; and

(ii) Provide a means to verify to the flightcrew before takeoff and before

beginning an approach for landing that the ATTCS is in a condition to operate.

(c) **Critical Time Interval.** The definition of the Critical Time Interval in Appendix I, § 125.(b) shall be expanded to include the following:

(1) When conducting an approach for landing using ATTCS, the critical time interval is defined as follows:

(i) The critical time interval *begins* at a point on a 2.5 degree approach glide path from which, assuming a simultaneous engine and ATTCS failure, the resulting approach climb flight path intersects a flight path originating at a later point on the same approach path corresponding to the Part 25 one-engine-inoperative approach climb gradient. The period of time from the point of simultaneous engine and ATTCS failure to the intersection of these flight paths must be no shorter than the time interval used in evaluating the critical time interval for takeoff beginning from the point of simultaneous engine and ATTCS failure and ending up reaching a height of 400 feet.

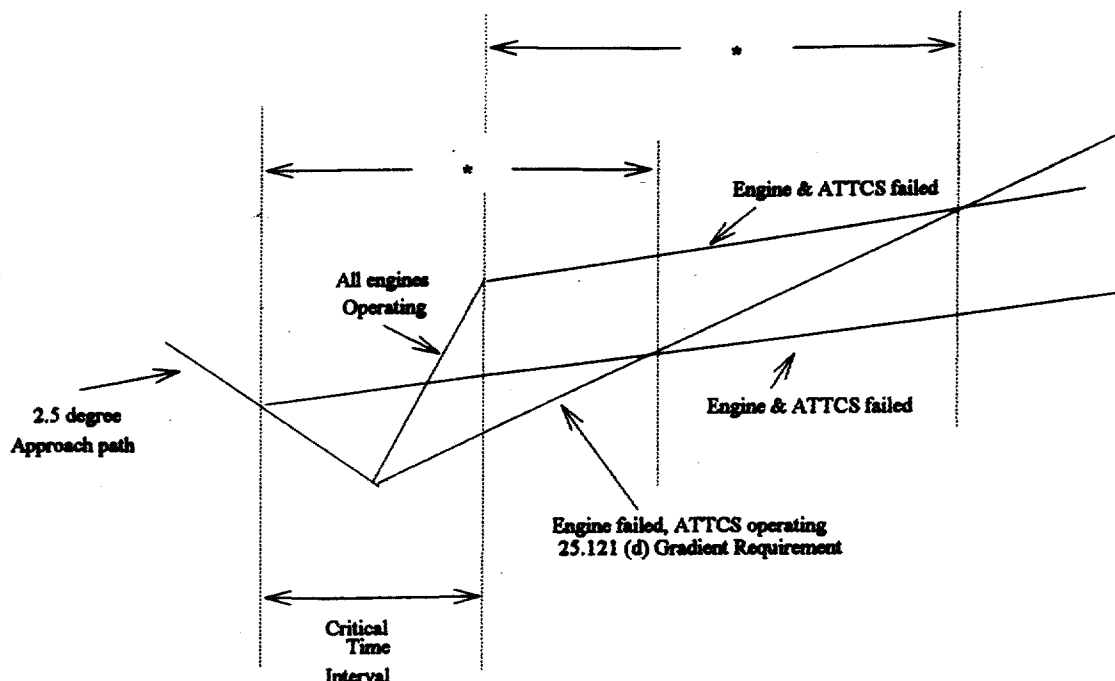
(ii) The critical time interval *ends* at the point on a minimum performance, all-engines-operating go-around flight path from which, assuming a

simultaneous engine and ATTCS failure, the resulting minimum approach climb flight path intersects a flight path corresponding to the Part 25 minimum one-engine-inoperative approach climb gradient. The all-engines-operating go-around flight path and the Part 25 one-engine-inoperative approach climb gradient flight path originate from a common point on a 2.5 degree approach path. The period of time from the point of simultaneous engine and ATTCS failure to the intersection of these flight paths must be no shorter than the time interval used in evaluating the critical time interval for the takeoff beginning from the point of simultaneous engine and ATTCS failure and ending upon reaching a height of 400 feet.

(2) the critical time interval must be determined at the altitude resulting in the longest critical time interval for which one-engine-inoperative approach climb performance data are presented in the Airplane Flight Manual.

(3) The critical time interval is illustrated in the following figure:

BILLING CODE 4910-12-M



*The engine and ATCS failed time interval must be no shorter than the time interval from the point of simultaneous engine and ATCS failure to a height of 400 feet used to comply with I25.2(b) for ATCS use during takeoff.

Issued in Renton, Washington, on December 6, 1995.

Stewart R. Miller,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service, AMN-100.

[FR Doc. 95-30366 Filed 12-12-95; 8:45 am]

BILLING CODE 4910-13-M

14 CFR Part 97

[Docket No. 28390; Amdt. No. 1695]

Standard Instrument Approach Procedures; Miscellaneous Amendments

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule.

SUMMARY: This amendment establishes, amends, suspends, or revokes Standard Instrument Approach Procedures (SIAPs) for operations at certain airports. These regulatory actions are needed because of the adoption of new or revised criteria, or because of changes occurring in the National Airspace System, such as the commissioning of new navigational facilities, addition of new obstacles, or changes in air traffic requirements. These changes are designed to provide safe and efficient use of the navigable airspace and to promote safe flight operations under instrument flight rules at the affected airports.

DATES: An effective date for each SIAP is specified in the amendatory provisions.

Incorporation by reference approved by the Director of the Federal Register on December 31, 1980, and reapproved as of January 1, 1982.

ADDRESSES: Availability of matters incorporated by reference in the amendment is as follows:

For Examination—

1. FAA Rules Docket, FAA Headquarters Building, 800 Independence Avenue SW., Washington, DC 20591;

2. The FAA Regional Office of the region in which the affected airport is located; or

3. The Flight Inspection Area Office which originated the SIAP.

*For Purchase—*Individual SIAP copies may be obtained from:

1. FAA Public Inquiry Center (APA-200), FAA Headquarters Building, 800 Independence Avenue SW., Washington, DC 20591; or

2. The FAA Regional Office of the region in which the affected airport is located.

*By Subscription—*Copies of all SIAPs, mailed once every 2 weeks, are for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

FOR FURTHER INFORMATION CONTACT:

Paul J. Best, Flight Procedures Standards Branch (AFS-420), Technical Programs Division, Flight Standards Service, Federal Aviation Administration, 800 Independence Avenue SW., Washington, DC 20591; telephone (202) 267-8277.

SUPPLEMENTARY INFORMATION: This amendment to part 97 of the Federal Aviation Regulations (14 CFR part 97) establishes, amends, suspends, or revokes Standard Instrument Approach Procedures (SIAPs). The complete regulatory description of each SIAP is contained in official FAA form documents which are incorporated by reference in this amendment under 5 U.S.C. 552(a), 1 CFR part 51, and § 97.20 of the Federal Aviation Regulations (FAR). The applicable FAA Forms are identified as FAA Forms 8260-3, 8260-4, and 8260-5. Materials incorporated by reference are available for examination or purchase as stated above.

The large number of SIAPs, their complex nature, and the need for a special format make their verbatim publication in the Federal Register expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, but refer to their graphic depiction on charts printed by publishers of aeronautical materials. Thus, the advantages of incorporation by reference are realized and publication of the complete description of each SIAP contained in FAA form documents is unnecessary. The provisions of this amendment state the affected CFR (and FAR) sections, with the types and effective dates of the SIAPs. This amendment also identifies the airport, its location, the procedure identification and the amendment number.

The Rule

This amendment to part 97 is effective upon publication of each separate SIAP as contained in the transmittal. Some SIAP amendments may have been previously issued by the FAA in a National Flight Data Center (FDC) Notice to Airmen (NOTAM) as an emergency action of immediate flight safety relating directly to published aeronautical charts. The circumstances which created the need for some SIAP

amendments may require making them effective in less than 30 days. For the remaining SIAPs, an effective date at least 30 days after publication is provided.

Further, the SIAPs contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Approach Procedures (TERPS). In developing these SIAPs, the TERPS criteria were applied to the conditions existing or anticipated at the affected airports. Because of the close and immediate relationship between these SIAPs and safety in air commerce, I find that notice and public procedure before adopting these SIAPs are impracticable and contrary to the public interest and, where applicable, that good cause exists for making some SIAPs effective in less than 30 days.

The FAA has determined that this regulation only involves an established body of technical regulations for which frequent and routine amendments are necessary to keep them operationally current. It, therefore—(1) is not a “significant regulatory action” under Executive Order 12866; (2) is not a “significant rule” under DOT Regulatory Policies and Procedures (44 FR 11034; February 26, 1979); and (3) does not warrant preparation of a regulatory evaluation as the anticipated impact is so minimal. For the same reason, the FAA certifies that this amendment will not have a significant economic impact on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR Part 97

Air Traffic Control, Airports, Navigation (Air).

Issued in Washington, DC on November 17, 1995.

Thomas C. Accardi,

Director, Flight Standards Service.

Adoption of the Amendment

Accordingly, pursuant to the authority delegated to me, part 97 of the Federal Aviation Regulations (14 CFR part 97) is amended by establishing, amending, suspending, or revoking Standard Instrument Approach Procedures, effective at 0901 UTC on the dates specified, as follows:

PART 97—STANDARD INSTRUMENT APPROACH PROCEDURES

1. The authority citation for part 97 is revised to read as follows:

Authority: 49 U.S.C. 106(g), 40103, 40113, 40120, 44701; and 14 CFR 11.49(b)(2).

2. Part 97 is amended to read as follows: